OPERATOR'S MANUAL

Serial Encoder
19393

REV B 11/8/88

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INTRODUCTION

This assembly is used to serially encode the time value contained within the PTS. The time code format is determined by the location of various jumpers and selection of components during manufacture. The unique configuration is defined by a dash number in accordance with the following table.

Assembly	Code Generated
19393-1	IRIG A
19393-2	IRIG B
19393-3	IRIG E 100 Hz
19393-4	IRIG E 1 KHz
19393-5	IRIG H 100 KHz
19393-6	IRIG H 1 KHz
19393-7	IRIG G
19393-8	XR3 (250 Hz)
19393-9	2137 (1KHz)
19393-10	NASA 36
19393-11	TBD

INSTALLATION

This assembly may be plugged into any available option position. Remove power from the PTS. Plug this assembly into the PTS, being careful that components are on the top side. Interconnect the modulated output (J1) and DC LEVEL SHIFT output (J2) as desired. Apply Power.

OPERATION

There are no operator controls for this option.

SPECIFICATIONS

J1 Modulated Output

Level:	Adjustable 0-5V p-p
Impedance:	Capable of driving a 50 Ohm load
Mod Ratio:	Adjustable, nominally 3:1

J2 DC Level Shift output (74HC Type)

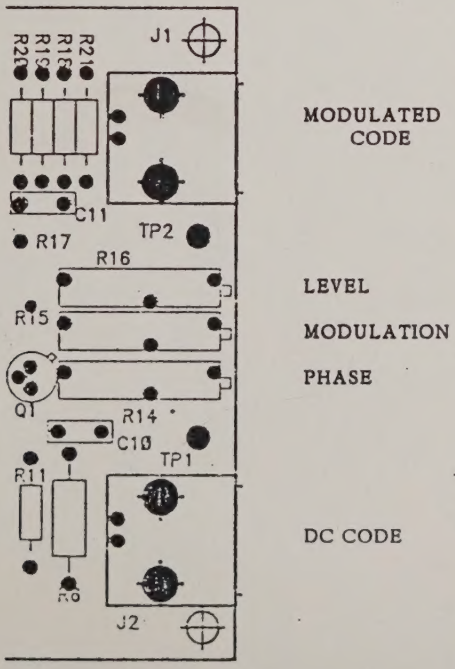
Level:	TTL/CMOS Compatible
Load:	6 m A Sink

ADJUSTMENTS

Phase: While observing the modulated output (J1) on an oscilloscope, adjust R14 for minimal discontinuity at the modulation points.

Ratio: While observing the modulated output (J1) on an oscilloscope, adjust R15 for the desired ratio. This is 3:1 for IRIG codes.

Level: While observing the modulated output (J1) on an oscilloscope, adjust R16 for the desired level.



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